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Correspondence was submitted as follows :

From Hon. John Hay, accepting membership in the Society.

From the President, announcing the appointment of the following Committee on the Scheme of Classification proposed by the International Conference on Scientific Literature, to wit, the Library Committee and the Librarian.

From Vice-President Sellers, announcing the appointment of the following Committee on the paper of Prof. Baur and Dr. Case : Prof. Scott, Dr. Jayne and Mr. Arthur E. Brown.

The Librarian presented a list of donations to the Library.

The report of the Committee on Prof. Seeliger's paper was presented and accepted, and it was ordered that the decision of the Society thereon be reported to Prof. Meyers by the Secretaries.

Prof. George F. Barker made a communication on Hert-zian waves.

Pending nominations Nos. 1477, 1478, 1480 to 1487, 1489 to 1495 and new nominations Nos. 1496 and 1497 were then read.

The Society was adjourned by the presiding officer.

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*Stated Meeting, April 7, 1899.*

Vice-President WISTAR in the Chair.

Present, 5 members.

The minutes of the stated meeting of March 17 were read and approved.

An invitation of the Imperial Academy of Sciences of St. Petersburg to attend the fiftieth anniversary of the establishment of the Central Physical Observatory, on April 1-13, was read.

On motion of Dr. Hays, the Secretaries were requested to acknowledge receipt of the same and express regret that the

time was too short to permit of sending a delegate to attend the anniversary.

The deaths of Prof. Othniel Charles Marsh, of New Haven, on March 18, in his sixty-eighth year; of Richard A. Tilghman, of Philadelphia, on March 24, in his seventy-fifth year, were announced.

On motion of Mr. Prime, Gen. I. J. Wistar was appointed to prepare an obituary notice of Mr. Tilghman.

A paper was read on "Specializations of the Lepidopterous Wing: The Parnassi-Papilionidæ, II," by A. Radcliffe Grote, A.M.

The Society was adjourned by the presiding officer.

## SPECIALIZATIONS OF THE LEPIDOPTEROUS WING: THE PARNASSI-PAPILIONIDÆ.

### II.

(Plates III, IV and V.)

BY A. RADCLIFFE GROTE, A.M.

(Read April 7, 1899.)

### Fam. III. PAPILIONIDÆ.

The cubital cross-vein is always distinct, while in certain forms it does not connect inferiorly with vein vii, but is arrested at the submedian fold (vein vi). This latter is bent downwards to vein vii, beyond the cross-vein, in those types in which the cross-vein attains vein vii (see Comstock's figure in *Evolution and Taxonomy*, Plate ii, Fig. 2), and appears again within the cross-vein to base of wing. In certain forms the submedian fold is continuous from base to external margin, and the cross-vein then rests on this fold and does not reach vein vii (*e. g.*, *Eurycus cressida*, *Pathysa antiphates*, *Iphiclides podalirius*). The following table separates neurological groups, and, as far as possible, the genera. The hairy male pockets on the hind wing I have not specially examined. In the nomenclature of the veins I continue to follow Comstock.